

07-20-01

A
Box/sea

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.: 9207-4

DATE: July 19, 2001

**UTILITY PATENT APPLICATION TRANSMITTAL LETTER
AND FEE TRANSMITTAL FORM (37 CFR 1.53(b))**

BOX PATENT APPLICATION

Commissioner for Patents

Washington, DC 20231

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) is:

- ☒ a patent application
☐ a Continuation ☐ a Divisional ☐ a Continuation-in-Part (CIP) Application of prior application no.: _____; filed _____, the disclosure of which is hereby incorporated herein by reference in its entirety.
☒ and claims the benefit of Provisional Application No. 60/220,211; filed July 22, 2000.

Inventor(s) or Application Identifier:

Michael Lanahan, 3054 Cornwallis Road, Research Triangle Park, NC 27709

Edward S. Miller Jr., 715-A Grove Avenue, Raleigh, NC 27606

Robert M. Kelly, 105 Monarch Way, Cary, North Carolina 27511

Entitled: **METHODS FOR HIGH-TEMPERATURE HYDROLYSIS OF GALACTOSE-CONTAINING OLIGOSACCHARIDES IN COMPLEX MIXTURES**

Correspondence Address:



20792

PATENT TRADEMARK OFFICE

Enclosed are:

1. ☒ Application Transmittal Letter and Fee Transmittal Form (*A duplicate is enclosed for fee processing*)
2. ☒ **50** pages of Specification (including **57** claims)
3. ☒ **8** sheets of Formal Drawings (35 USC 113)
4. ☐ Oath or Declaration
 - a. ☐ newly executed (*original or copy*)
 - b. ☐ copy from prior application (37 CFR 1.63(d) (*for continuation/divisional*) [Note Box 5 Below]
 - c. ☐ DELETION OF INVENTOR(S) (*Signed statement deleting inventor(s) named in the prior application*)
5. ☐ Application Data Sheet. See 37 CFR 1.76
- 6.. ☐ Incorporation By Reference (*useable if box 4b is checked*)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated

by reference therein.

7. ☐ Microfiche Computer Program (*Appendix*)
8. ☐ Assignment papers (*cover sheet(s) and document(s)*)
9. ☐ Applicant claims small entity status. See 37 CFR 1.27.
10. ☒ Information Disclosure Statement, PTO-1449, and 19 references cited
11. ☐ Preliminary Amendment (*Please enter all claim amendments prior to calculating the filing fee.*)
12. ☐ English Translation Document
13. ☐ Certified Copy of Application No. ; Filed
14. ☒ Sequence Listing/ Sequence Listing Diskette
 a. ☒ computer readable copy
 b. ☒ paper copy
 c. ☒ statement in support
15. ☐ An Associate Power of Attorney
16. ☒ Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)
17. ☒ Other: **Letter: Application filed under 1.41(c)**

The fee has been calculated as shown below:

	Column 1 No. Filed	Column 2 No. Extra	Small Entity Rate Fee	Large Entity Rate Fee
BASIC FEE			\$355.00	\$710.00
TOTAL CLAIMS	57 - 20 =	37	x 09 = \$	x 18 = \$666.00
INDEP CLAIMS	6 - 3 =	3	x 40 = \$	x 80 = \$240.00
<input type="checkbox"/> MULTIPLE Dependent Claims Presented			+ 135 = \$	+ 270 = \$
If the difference in Col. 1 is less than zero, Enter "0" in Col. 2			Total \$	Total \$1,616.00

- ☐ A check in the amount of \$ to cover the filing fee is enclosed.
☐ A check in the amount of \$ is enclosed to cover the filing fee, PLUS the Assignment Recordation fee (\$40.00).
☐ Please charge my Deposit Account No. 50-0220 in the amount of \$.
☐ The Commissioner is hereby authorized to credit overpayments or charge the following fees associated with this communication to Deposit Account No. 50-0220:
 a. ☐ Additional filing fees under 37 CFR 1.16 for presentation of extra claims.
 b. ☐ Additional patent application processing fees under 37 CFR 1.17.

Respectfully submitted,



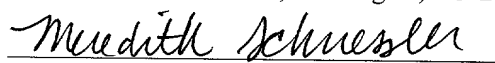
Sorojini U. Biswas
Registration No. 39,111

CERTIFICATE OF EXPRESS MAILING

Express Mail Label No. EL733092715US

Date of Deposit: July 19, 2001

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: BOX PATENT APPLICATION, Commissioner for Patents, Washington, DC 20231.


Meredith Schuessler

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Lanahan et al.

Serial No. To be assigned

Filed: Concurrently herewith

For: METHODS FOR HIGH-TEMPERATURE HYDROLYSIS OF GALACTOSE-
CONTAINING OLIGOSACCHARIDES IN COMPLEX MIXTURES

Date: July 19, 2001

BOX PATENT APPLICATION

Commissioner for Patents

Washington, DC 20231

STATEMENT IN SUPPORT OF FILING A
SEQUENCE LISTING UNDER 37 CFR § 1.821(f)

Sir:

Applicants hereby submit a paper copy of a Sequence Listing in the form of pages numbered 1 through 5, which have been appended to the specification after the claims and abstract. These pages contain the Sequence Listing required by 37 C.F.R. §1.821(c) for nucleotide and peptide sequences described in the specification. The sequences are also provided on computer diskette in a computer readable form as required by 37 C.F.R. §§ 1.821(e) and 1.824.

I hereby state as required by 37 C.F.R. § 1.821(f) that the content of the paper copy of the Sequence Listing and the computer readable copy are the same.

Respectfully submitted,



Sorojini I. Biswas

Registration No. 39,111

Myers Bigel Sibley & Sajovec

PO Box 37428

Raleigh NC 27627

Tel (919) 854-1400

Fax (919) 854-1401

CERTIFICATE OF EXPRESS MAILING

Express Mail Label No. EL733092715US

Date of Deposit: July 19, 2001

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: BOX PATENT APPLICATION, Commissioner for Patents, Washington, DC 20231.


Meredith Schuessler

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Lanahan et al.
Serial No. To be assigned
Filed: Concurrently herewith
For: METHODS FOR HIGH-TEMPERATURE HYDROLYSIS OF GALACTOSE-
CONTAINING OLIGOSACCHARIDES IN COMPLEX MIXTURES

Date: July 19, 2001

BOX PATENT APPLICATION
Commissioner for Patents
Washington, DC 20231

APPLICATION FILED UNDER 37 CFR 1.41(c)

Sir:

The above-identified application is being filed on behalf of the inventors, **Michael Lanahan**, resident of 3054 Cornwallis Road, Research Triangle Park, NC 27709; **Edward S. Miller Jr.**, resident of 715-A Grove Avenue, Raleigh, NC 27606 and **Robert M. Kelly**, resident of 105 Monarch Way, Cary, NC 27511, under the provisions of 37 CFR 1.41(c). A Declaration and Power of Attorney from the inventors will follow, 37 CFR 1.63.

Respectfully submitted,



Sorojini J. Biswas
Registration No. 39,111

Myers Bigel Sibley & Sajovec
P.O. Box 37428
Raleigh, NC 27627
Tel (919) 854-1400
Fax (919) 854-1401

CERTIFICATE OF EXPRESS MAILING

Express Mail Label No. EL733092715US
Date of Deposit: July 19, 2001

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to:
BOX PATENT APPLICATION, Commissioner for Patents, Washington, DC 20231.


Meredith Schuessler